# PATENT COOPERATION TREATY 10/532619

## **PCT**

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#### INTERNATIONAL PRELIMINARY EXAMINATION REPORT WIPO

PO PCT

(PCT Article 36 and Rule 70)

Applicant' s or agent' s file reference		See Notificati	on of Transmittal of International
PD-201014	FOR FURTHER ACTION		Examination Report (Form PCT/IPEA/416)
International application No.	International filing date (day/mor	th/year)	Priority date (day/month/year)
PCT/US03/32800	16 October 2003 (16.10.2003)		25 October 2002 (25.10.2002)
International Patent Classification (IPC)	or national classification and IPC		
IPC(7): H04L 27/20 and US Cl.: 375/29	5		
Applicant		-	
THE DIRECTV GROUP, INC.	<del>-</del>		
Examining Authority and	nary examination report has been is transmitted to the applicant a	ccording to A	rticle 36.
2. This REPORT consists of	a total of sheets, including	this cover she	et.
This report is also acc	companied by ANNEVEC i.e.	chaota of the	description, claims and/or drawings
which have been ame	ended and are the basis for this	report and/or	sheets containing rectifications made
before this Authority PCT).	(see Rule 70.16 and Section 60	07 of the Adm	inistrative Instructions under the
101).			
These annexes consist of a	<del></del>	·	
3. This report contains indica	ations relating to the following	items:	
I Basis of the rep	ort ,		
II Priority	•		
III Non-establishme	ent of report with regard to no	eltv. inventive	e step and industrial applicability
IV Lack of unity of		<b>y,</b>	and the second approaching
	nent under Article 35(2) with re	egard to novel	ty, inventive step or industrial
applicability; ci	tations and explanations suppor	ting such state	ment
VI Certain docume	nts cited		
VII Certain defects	in the international application		i
VIII Certain observa	tions on the international applic	ation	
Date of submission of the demand	Date	of completion	of this report
24 May 2004 (24.05.2004)	14 Av	ıgust 2004 (14.0	08.2004)
Name and mailing address of the IPEA/I	JS .		
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents	HV I	orized officer	
P.O. Box 1450 Alexandria, Virginia 22313-1450	11	g Tse	Men h. Ward
Form PCT/IPEA/409 (cover sheet)(July 1)		hone No. 571/:	272-3051



#### **LINTERNATIONAL PRELIMINARY EXAMINATION REPORT**

In	ternatio	 pplica	

PCT/US03/32800

I.	Basi	s of the report
1.	With	regard to the elements of the international application:*
		the international application as originally filed.
	$\boxtimes$	the description:
	\	pages <u>1-42</u> as originally filed
		pages NONE, filed with the demand
		pages NONE, filed with the letter of
	$\boxtimes$	the claims:
		pages 43-46 as originally filed
l		pages NONE , as amended (together with any statement) under Article 19
		pages NONE, filed with the demand pages NONE, filed with the letter of
	$\square$	
		the drawings:
İ		pages 1-35 as originally filed pages NONE , filed with the demand
		pages NONE , filed with the letter of
		the sequence listing part of the description
		pages NONE , as originally filed
		pages NONE , filed with the demand
l		pages NONE, filed with the letter of
2.		h regard to the language, all the elements marked above were available or furnished to this Authority in the
1	lang	guage in which the international application was filed, unless otherwise indicated under this item.
{	1 110	se elements were available or furnished to this Authority in the following language which is:
		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
ļ		the language of publication of the international application (under Rule 48.3(b)).
	L	the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).
3.		th regard to any nucleotide and/or amino acid sequence disclosed in the international application, the rnational preliminary examination was carried out on the basis of the sequence listing:
		contained in the international application in printed form.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority in written form.
		furnished subsequently to this Authority in computer readable form.
1		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the
	\	international application as filed has been furnished.
	<u>L_</u>	The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
4	. [	The amendments have resulted in the cancellation of:
}		the description, pages NONE
		the claims, Nos. NONE
١.		the drawings, sheets/fig NONE
5	٠ ــــ	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
*	Repl	acement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in
th	us rep	nort as " originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).  replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.



### → INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US03/32800

citations and explanations supporting s	such statement	d to novelty, inventive step or indus	strial applicability;
. STATEMENT			
Novelty (N)	Claims	1-23	YES
•		NONE	NO
Inventive Step (IS)	<b>~</b> .		
mvenuve step (15)	Claims	1-23 NONE	YES
	Ciamis	HOND	NO
Industrial Applicability (IA)	Claims		YE
	Claims	NONE	NO
equency band, a lower layer signal with a secon o guard band is used within the frequency band, and the lower layer signal.	and transmitting	a layered modulation signal comprising bo	oth the upper layer sign
NEW CITATIONS			
DNE	•		
		1	
		•	
		•	